BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Extended Diploma in Horticulture
Unit number and title	Unit 45: Computer-aided design in horticulture
Learning aim(s)	**B** Produce a 3D element based on a computer-aided garden design plan **C** Produce 2D construction detail plans and a planting schedule based on 3D features
Assignment title	**Portfolio**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You are working as an assistant at a landscaping company. You have recently been approached by a new client who would like plans drawn up for a new garden design. Your manager has asked you to produce the design, drawings, models and planting schedules to present to the client.
Task 1	• Using your 2D design produced in learning aim A, produce a 3D model of **three** decorative landscape features from aspects of the 2D landscape garden design plan. These features, for example a water feature etc, will include use of commands such as revolve etc. • Produce a portfolio of drawing including the 3 templates of your **three** 3D models, screen dumps and supporting documentation of your models and your 2D drawings.
Checklist of evidence required	3D model and portfolio

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
B.D2	Refine, to an international standard, a 3D model of three 3D elements of a computer-aided garden design and three drawings of the 3D model with multiple viewports.
B.M3	Produce an accurate 3D model of three 3D elements of the computer-aided garden design plan and three drawings of the 3D model that mainly meet an international standard.
B.P3	Produce a 3D model of three 3D elements of the computer-aided garden design plan.
B.P4	Produce three drawings of the 3D model with multiple viewports.
Task 2	• Produce **two** 2D construction detail plans for your designs. Your plans must contain multiple 2D views

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
	and technical information. • Produce planting plans and schedules for your design which must contain: o plant selection with a minimum of **one** tree species, **five** shrub species and **15** herbaceous and/or bulb species o the plant schedule, used to show plant graphics with an accurate scale showing the plants potential size, spread, height, planting distance, random scaling and rotation o details of differing plant heights, and include tile block, border callouts and tags. Your planting plans and schedule should be accurate, use technical information and be to an international standard.
Checklist of evidence required	Construction plans Planting plan Planting schedule

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
C.D3	Refine, to an international standard, two 2D construction detail plans containing multiple 2D views and technical information, and a planting plan and schedule for a minimum 15m^2 area.
C.M4	Produce two 2D construction detail plans containing multiple 2D views and technical information, and a planting plan and schedule for a minimum 15m^2 area that mainly meets an international standard.
C.P5	Produce two 2D construction detail plans containing multiple 2D views and technical information.
C.P6	Produce a planting plan and schedule for a minimum 15m^2 area.

Sources of information to support you with this Assignment	**Journal/Magazine** *Landscaper magazine* **Websites** Rhs.org.uk/advice/CAD Nfuonline.com Plantadvice.co.uk Gardenvisit.com/computer aided design